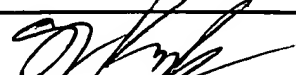

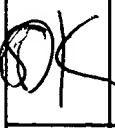



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		Application Number	09/110,694	
		Filing Date	07/07/1998	
		First Named Inventor	Mills	
		Group Art Unit	1754 1745	
		Examiner Name	Kalafut	
Sheet	1	12	Attorney Docket Number	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	58	R. L. Mills, "Classical Quantum Mechanics," Physics Essays, Vol. 16, No. 4, December, (2003), pp. 433-498. (Web Publication Date: May 23, 2002.)	READY OF RECORD
	60	R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Synthesis of HDLC Films from Solid Carbon," Journal of Materials Science, in press. (Web Publication Date: May 3, 2002.)	
	77	J. Phillips, R. L. Mills, X. Chen, "Water Bath Calorimetric Study of Excess Heat in 'Resonance Transfer' Plasmas," J. Appl. Phys., Vol. 96, No. 6, (2004) 3095-3102. (Web Publication Date: June 16, 2003.)	AL
	80	R. L. Mills, "The Fallacy of Feynman's Argument on the Stability of the Hydrogen Atom According to Quantum Mechanics," Annales de la Fondation Louis de Broglie, submitted. (Web Publication Date: Jan. 27, 2003.)	R
	81	R. Mills, P. Ray, B. Dhandapani, W. Good, P. Jansson, M. Nansteel, J. He, A. Voigt, "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," European Physical Journal: Applied Physics, 28, (2004), 83-104. (Web Publication Date: Feb. 21, 2003.)	READY
	88	R. Mills, J. Sankar, A. Voigt, J. He, P. Ray, B. Dhandapani, "Role of Atomic Hydrogen Density and Energy in Low Power CVD Synthesis of Diamond Films," Thin Solid Films, 478, (2005) 77-90. (Web Publication Date: Dec. 22, 2003.)	Y
	94	R. L. Mills, "The Nature of the Chemical Bond Revisited and an Alternative Maxwellian Approach," Physics Essays, in press. (Web Publication Date: Aug. 6, 2003.)	OFF
	96	J. J. Phillips, C. K. Chen, R. L. Mills, "Evidence of the Production of Hot Hydrogen Atoms in RF Plasmas by Catalytic Reactions Between Hydrogen and Oxygen Species," Spectrochimica Acta Part B: Atomic Spectroscopy, submitted. (Web Publication Date: Sept. 12, 2003.)	RECORD
	97	R. L. Mills, P. Ray, B. Dhandapani, "Evidence of an Energy Transfer Reaction Between Atomic Hydrogen and Argon II or Helium II as the Source of Excessively Hot H Atoms in RF Plasmas," Journal of Plasma Physics, in press. (Web Publication Date: Sept. 26, 2003.)	CO
	98	R. L. Mills, Y. Lu, J. He, M. Nansteel, P. Ray, X. Chen, A. Voigt, B. Dhandapani, "Spectral Identification of New States of Hydrogen," New Journal of Chemistry, submitted. (Web Publication Date: Nov. 18, 2003.)	ROD

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		Group Art Unit	7754 1745		
Examiner Name	Kalafut				
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	100	R. Mills, B. Dhandapani, J. He, "Highly Stable Amorphous Silicon Hydride from a Helium Plasma Reaction," Materials Chemistry and Physics, submitted. (Web Publication Date: Nov. 17, 2003.)	
	101	R. L. Mills, Y. Lu, M. Nansteel, J. He, A. Voigt, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Chemistry of Solid, Liquid, and Gaseous Fuels, 227th American Chemical Society National Meeting, March 28-April 1, 2004, Anaheim, CA.	
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	103	R. L. Mills, Dhandapani, W. Good, J. He, "New States of Hydrogen Isolated from K₂CO₃ Electrolysis Gases," Electrochim. Acta, submitted. (Web Publication Date: April 28, 2004.)	
	104	R. L. Mills, Y. Lu, M. Nansteel, J. He, A. Voigt, W. Good, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Advances in Hydrogen Energy, 228th American Chemical Society National Meeting, August 22-26, 2004, Philadelphia, PA.	
	113	R. Mills, "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Form Excited and Predicted Hydrino States", New Journal of Physics, submitted.	
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	105	J. Phillips, C. K. Chen, R. L. Mills, "Evidence of Catalytic Production of Hot Hydrogen in RE-Generated Hydrogen/Argon Plasmas," J. Appl. Physics, submitted. (Web Publication Date: September 7, 2004.)	
	106	R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Helium which Predicts Conjugate Parameters from a Unique Solution for the First Time," Foundations of Science, submitted. (Web Publication Date: October 28, 2004.)	
	107	R. L. Mills, "Maxwell's Equations and QED: Which is Fact and Which is Fiction," Physica Scripta, submitted. (Web Publication Date: October 28, 2004.)	
	108	R. L. Mills, J. He, M. Nansteel, B. Dhandapani, "Catalysis of Atomic Hydrogen to New Hydrides as a New Power Source," International Journal of Global Energy Issues (IJGEI). Special Edition in Energy System, submitted. (Web Publication Date: April 4, 2005.)	
	109	R. L. Mills, M. Nansteel, J. He, B. Dhandapani, "Low-Voltage EUV and Visible Light Source Due to Catalysis of Atomic Hydrogen," J. Plasma Physics, submitted. (Web Publication Date: April 15, 2005.)	
	110	R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrides as a New Power Source," Prepr. Pap.—Am. Chem. Soc., Div. Fuel Chem. 2005, 50(2). (Web Publication Date: April 22, 2005.)	
	111	R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrogen Species H ⁺ (1/4) and H ₂ (1/4) as a New Power Source," Thermochemical, submitted. (Web Publication Date: May 6, 2005.)	
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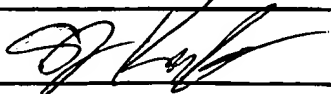
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		First Named Inventor	Mills		
		Group Art Unit	4754-1745		
		Examiner Name	Kalafut		
Sheet	4	of	12	Attorney Docket Number	

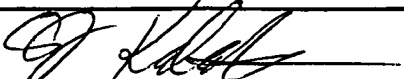
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OK		CRITCHLEY <i>et al.</i> , "Energy shifts and forbidden transitions in H ₂ due to electronic g/u symmetry breaking", <i>Molecular Physics</i> , 2003, Vol. 101, Nos. 4-5, pp. 651-661, Taylor & Francis Ltd. (NO MONTH)	
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OK		CVETANOVIC <i>et al.</i> , "Excessive Balmer line broadening in a plane cathode abnormal glow discharge in hydrogen", <i>Journal of Applied Physics</i> , 97, 033302 (2005), American Institute of Physics (NO MONTH)	
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		Application Number	09/501,621		
		Filing Date	02/09/2000		
		First Named Inventor	Mills		
		Group Art Unit	1754 1745		
Examiner Name	Kalafut				
Sheet	5	of	12	Attorney Docket Number	

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OK		COTTON <i>et al.</i> , "Complexes of Cyclic 2-Oxacarbenes. I. A Spontaneous Cyclization to Form a Complex of 2-Oxacyclopentylidene", <i>Journal of the American Chemical Society</i> , 93:11, pp. 2672-2676, June 2, 1971	
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			Filing Date	07/07/1998	
			First Named Inventor	Mills	
			Group Art Unit	1754 1745	
Examiner Name	Kalafut				
Sheet	6	of	12	Attorney Docket Number	

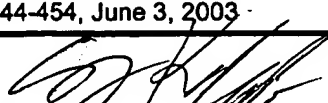
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OK		MILLS <i>et al.</i> , "Catalysis of Atomic Hydrogen to Novel Hydrides as a New Power Source", pp. 1-8, BlackLight Power, Inc. (NO DATE)	
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OK		"Standard Series Barium Tungsten Dispenser Cathodes", HeatWave Labs, Inc., TB-198, July 29, 2002, Spectra-Mat, Inc.	
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		JOVICEVIC <i>et al.</i> , "Excessive Balmer line broadcasting in microwave-induced discharges", <i>Journal of Applied Physics</i> , 95:1, pp. 24-29, January 1, 2004, American Institute of Physics	
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		BARBEAU <i>et al.</i> , "Spectroscopic investigation of energetic atoms in a DC hydrogen flow discharge", pp. 1168-1174, 1990 IOP Publishing Ltd. (NO MONTH)	
		KONJEVIC <i>et al.</i> , "Emission Spectroscopy of the Cathode Fall Region of an Analytical Glow", <i>J. Phys. IV France</i> , 7, pp. C4-247-C4-258, October 1997	
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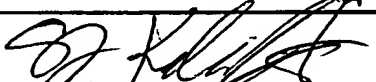
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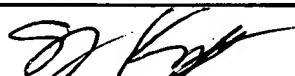
Examiner Signature		Date Considered	12/1/05
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/501,621		
		Filing Date	02/09/2000		
		First Named Inventor	Mills		
		Group Art Unit	1754 175		
Examiner Name	Kalafut				
Sheet	10	of	12	Attorney Docket Number	

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		D. Luggenholcher, U. Czamatzi, and H.F. Dobele Institut fur Laser und Plasmaphysik, Universitat Essen, Germany, "Investigations on Electric Field Distributions in a Microwave Discharge in Hydrogen"	ALREADY OFFERED
		Technology Insights, "Hydro Catalysis Technical Assessment," (Part of 09/009,837 paper no.: 20050297 This document was submitted by R. Mills on 7/17/02 in co-pending application 09/660,877)	ALREADY OFFERED NOT FOUND
		Evans Analytical Group, http://www.cca.com/instr.htm#esca2, "Time-of-Flight Secondary Ion Mass Spectrometry (TOF-SIMS)"	ALREADY OFFERED
OK		J M Luque, M D Calzada and M Saez, "Experimental research into the influence of ion dynamics when measuring the electron density from the Stark broadening of the H α and H β lines." (2003, MONTH UNKNOWN)	
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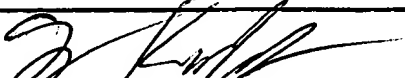
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		Application Number	09/110,694		
		Filing Date	07/07/1998		
		First Named Inventor	Mills		
		Group Art Unit	1754/745		
Examiner Name	Kalafut				
Sheet	11	of	12	Attorney Docket Number	

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
OK		E. Kovacevic, I. Stefanovic, J. Berndt, and J. Winter, "The Dynamic Response of the Plasma on the Dust Formation in Ar/C ² H ² Rf Discharges," < http://www.rcpig.uni-greifswald.de/proceedings/data/kovacevic-1 > (NO DATE)	
OK		N. Cvetanovic, m.M. Kuraica, N. Konjevic, "Excessive Balmer Line Broadening in a Plane Cathode Abnormal Glow Discharge in Hydrogen", J. Appl. Phys. 97, 033302 (2005) (NO MONTH) DUPLICATE (ALSO NOT CONSIDERED)	
OK		E. U. Condon, Ph. D., G. H. Shortley, Ph. D., "The Theory of Atomic Spectra.", Cambridge, 1967, pp.45-69, and 112-147. (NO MONTH)	
OK		Ben Best, "The Copenhagen Interpretation of Quantum Mechanics", < http://www.benbest.com/science/quantum.html > (NO DATE)	
OK		Aaron J. Barth, "Bigger Than Fire?", SKEPTIC Vol. 8, No. 4, 2001. (NO MONTH)	
OK		Notes on David Peat, "Einstein's Moon: Bell's Theorem and the Curious Quest for Quantum Reality," History and Philosophy of Science-Fall, 1997-Dr. Ess, < www.drury.edu/ess/philsci/bell.html > (NO MONTH)	
OK		Physics 200-04 Course, "Pauli Spin Matrices", < http://axion.physics.ubc.ca/200-04/paulispin.pdf >. (NO DATE)	
OK		"The Linear Stark Effect", University of Texas Lecture, < http://farside.ph.utexas.edu/teaching/qm/perturbation/node8.html > (NO DATE)	
OK		K.L. Ross, "Kantian Quantum Mechanics", < http://www.fresian.com/space-2.htm > (NO DATE)	


Examiner Signature		Date Considered	12/1/05
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		Application Number	09/110,694		
		Filing Date	07/07/1998		
		First Named Inventor	Mills		
		Group Art Unit	1754		
Examiner Name	Tsang				
Sheet	12	of	12	Attorney Docket Number	9113-19-C14

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
OK		Quantum Physics 301, Paradoxes and Interpretation", http://www.teach.phy.bris.ac.uk/Level30100/CourseMaterials/paradoxes.pdf (NO DATE)	
OK		The Internet Encyclopedia of Philosophy, "Logical Positivism", http://iep.utm.edu/logpos.htm (NO DATE)	
		H. G. Kuhn, F. R. S., "Atomic Spectra", Longmans, Green & Co., Ltd., London/Harlow 1969 (2nd ed.).	NOT FOUND
OK		Anthony J. Marchese, Ph. D., Peter Jansson, Ph. D., P.E., John I. Schmalzel, Ph. D., P.E., "The Blacklight Rocket Engine", NIAC Phase 1 Final Report (May 1-November 30, 2002). www.niac.usra.edu/files/studies/final_report/	
OK		"Average Molecular Kinetic Energy", http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.html (NO DATE)	
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		Eric Krieg, "Hydrinos: A State Below the Ground State" http://www.freeenergies.org/bl/bwt/z/hydrino/hydrino.htm	ALREADY OF RECORD
		Peter D. Zimmerman, "An Analysis of Theoretical Flaws in So-Called Classical Quantum Mechanics and of Experimental Evidence Against CQM" (2004)	ALREADY OF RECORD
OK		Rathke "A Critical Analysis of the Hydrino Model", New Journal of Physics, 19 May 2005, http://www.iop.org/ej/article/1367-2630/7/1/127/njp5_1_127.html	
		Mills, R., "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Form Excited and Predicted Hydrino States," (web publication June 9, 2004 at www.blacklightpower.com)	NOT FOUND

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